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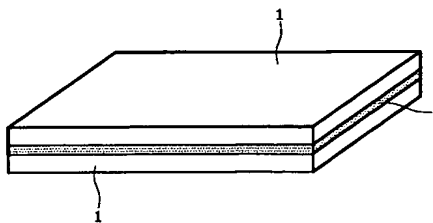
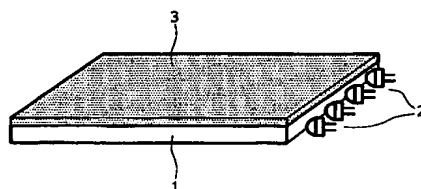
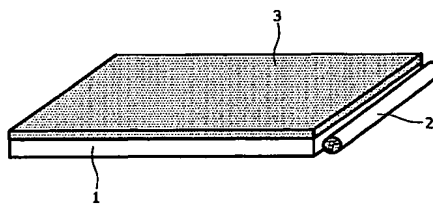
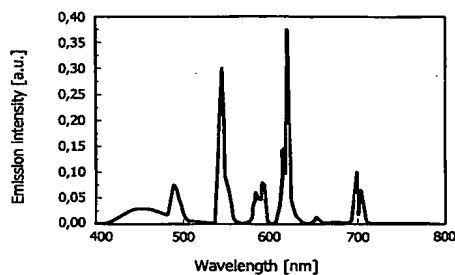
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(54) Title: UV LIGHT SOURCE COATED WITH NANO-PARTICLES OF PHOSPHOR



(57) Abstract: A luminescent body is described that comprises a optical waveguide plate, a UV light source, and means for coupling the UV light into the optical waveguide plate and in which the optical waveguide plate is provided with a covering layer that contains one or more phosphors that are either applied directly or may be embedded in spherical particles of synthetic resin material. These phosphors convert UV light of a wavelength from 300 to 400 nm into visible light of a wavelength from 420 to 480 nm. The covering layer has a thickness from 10 to 5000 nm and exhibits a light reflection of < 20%.



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